

(19) World Intellectual Property
Organization
International Bureau



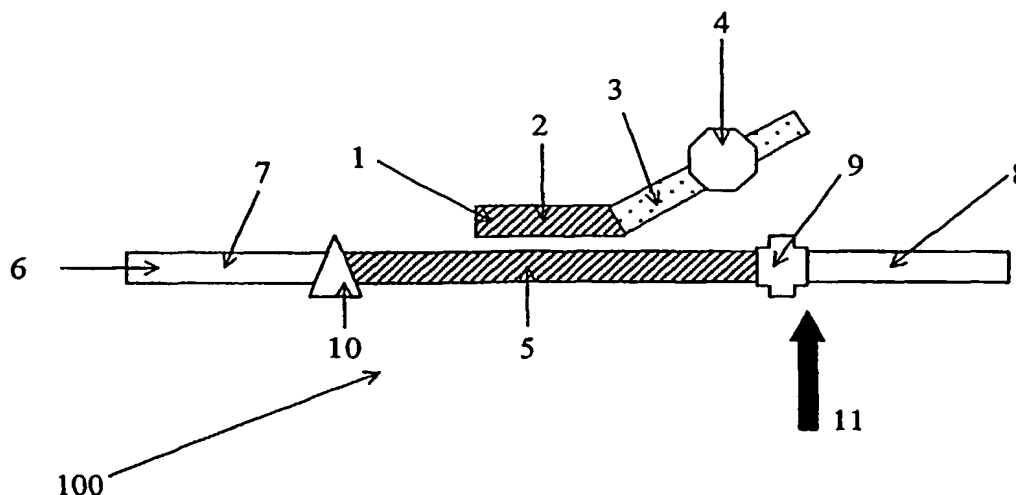
(43) International Publication Date
26 February 2004 (26.02.2004)

PCT

(10) International Publication Number
WO 2004/016787 A1

- (51) International Patent Classification⁷: C12N 15/11, A61K 48/00
- (21) International Application Number: PCT/GB2003/003612
- (22) International Filing Date: 18 August 2003 (18.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0219143.5 16 August 2002 (16.08.2002) GB
- (71) Applicant (for all designated States except US): **UNIVERSITY OF LEICESTER** [GB/GB]; University Road, Leicester LE1 7RH (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DUNCKLEY, Matthew, Graeme** [GB/GB]; Dubowitz Neuromuscular Centre, Imperial College London, Hammersmith Hospital, Du Cane Road, London W12 0NN (GB). **EPERON, Ian, Charles** [GB/GB]; Department of Biochemistry, University of Leicester, University Road, Leicester LE1 7RH (GB). **MUNTONI, Francesco** [IT/GB]; Department of Paediatrics, Imperial College London, Hammersmith Hospital, Du Cane Road, London W12 0NN (GB).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MODIFIED TAILED OLIGONUCLEOTIDES



(57) Abstract: A nucleic acid molecule comprising first and second domains, said first domain being capable of forming a first specific binding pair with a target sequence of a target RNA species, said second domain consisting of a sequence which forms a second specific binding pair with at least one RNA processing or translation factor, said target sequence being sufficiently close on said target RNA species to an RNA processing or translation site for processing or translation at said site to be enhanced by the action of the factor bound to the second domain.